CLAIMS

1. Dispenser stick (1) for storing and applying a pasty dispensable stick compound (10) that consists of a cosmetic product or other type of product, for example, a deodorant stick or glue stick, which comprises a stick-shaped housing (1') with an upper dispensing outlet (13), a closure cap (2) that seals the dispensing outlet (13) airtight by means of a sealing lip (5), and a feeding plunger (7) that can be moved axially inside the housing (1'), characterized by the fact that the feeding plunger (7) can be moved only towards the dispensing outlet (13) and is locked in the opposite direction, and the closure cap (2) is designed with a double wall with an inner cap (3) that can be axially displaced relative to the closure cap (2).

2. Dispenser stick (1) in accordance with Claim 1, characterized by the fact that the housing (1') has a double-walled design with an outer housing (9) that can be closed with the closure cap (2) and with an inner housing (6) that can be axially displaced in the outer housing (9) and serves to hold the stick compound (10).

3. Dispenser stick (1) in accordance with Claim 1 or Claim 2, characterized by the fact that the inner cap (3) is elastically connected with the closure cap (2) in the axial direction by means of a spring element, for example, a helical spring (4).

4. Dispenser stick (1) in accordance with Claim 1, Claim 2, or Claim 3, characterized by the fact that the axial movement of the feeding plunger (7) in the direction opposite the dispensing direction is blocked by a retaining spring (8) that catches on the inner wall of the inner housing (6).

5. Dispenser stick (1) in accordance with Claim 1, Claim 2, or Claim 3, characterized by the fact that the axial movement of the feeding plunger (7) in the direction opposite the dispensing direction is blocked by annular fine serration (14) provided on the inner wall of the inner housing (6) or by fine locking grooves in which the feeding plunger (7) catches.

6. Dispenser stick (1) in accordance with Claim 1, Claim 2, Claim 3, or Claim 4, characterized by the fact that the upper region of the inner housing (6) is provided with an outwardly projecting annular sealing lip (5), which, when the closure cap

(2) has been slipped onto or screwed onto the outer housing (9), presses against the inner wall of the inner cap (3) to produce a seal.

7. Dispenser stick (1) in accordance with Claim 6, characterized by the fact that the sealing lip (5) seals an annular cavity (12) between the inner cap (3) and the inner housing (6) in such a way that, when the closure cap (2) has been removed and the cavity (12) has been increased in size as a result of the removal of the closure cap (2), a negative pressure is produced in the cavity (12), which negative pressure is sufficiently great to advance the stick compound (10) a predetermined distance (x) out of the dispensing outlet (13) of the inner housing (6).

8. Dispenser stick (1) in accordance with Claim 7, characterized by the fact that the amount of axial displacement (x) of the stick compound (10) can be adjusted in advance by suitable shaping of the annular cavity (12) between the inner cap (3) and the inner housing (6).

9. Dispenser stick (1) in accordance with Claim 6, Claim 7, or Claim 8, characterized by the fact that the sealing lip (5) is mounted at a downward angle on the inner housing (6) in

such a way that it acts as a check valve, and when the outer housing (9) is closed by the closure cap (2), the resulting positive air pressure inside the diminishing annular cavity is relieved to the outside by venting via the sealing lip (5).

10. Dispenser stick (1) in accordance with one or more of Claims 2 to 9, characterized by the fact that to fill the dispenser stick with the stick compound (10) in the filling position of the housing (1'), the feeding plunger (7) and the inner housing (6) are located some distance above the housing base (17), such that a lower web (16c) of the inner housing (6) rests on an annular bead (24) of the outer housing (9), and the inner housing (6) is supported against the outer housing (9) by means of the web (16c) and an upper annular web (16b).

11. Dispenser stick (1) in accordance with Claim 10, characterized by the fact that in the filling position of the housing (1'), the feeding plunger (7) rests on a central projection (23) of the housing base (17).

12. Dispenser stick (1) in accordance with Claim 10, characterized by the fact that the housing base (17') has an annular design with a central opening (25), whose inner edge (26) is turned up with an annular web (27), on which the feeding plunger (7) is supported in the filling position.

13. Dispenser stick (1) in accordance with Claim 11 or Claim 12, characterized by the fact that after the filling of the housing (1') with the stick compound (10) has been completed, the inner housing (6) is pushed completely into the outer housing (9) until it reaches the housing base (17), while the position of the feeding plunger (7) remains unchanged, and that during this operation, the stick compound (10) becomes detached from the inner wall of the inner housing (6).

14. Dispenser stick (1) in accordance with Claim 13, characterized by the fact that the web (16c) of the inner housing (6) is moved over the bead (24) of the outer housing (9), thereby causing the inner housing (6) to lock with the outer housing (9) in a snap connection, which prevents subsequent upward movement of the inner housing (6) when negative pressure is present in the cavity (12).